

Santon Aquaheat



Features a heavy gauge copper inner container, and provides a cost effective solution for a variety of commercial applications including dishwashing, handwashing and low demand canteen and workshop use.

Ease of installation has long been a trademark of Santon products and this range is no exception with the units ideally suited to both floor and wall mounting.

Specification:

Anode:

No anode required

Approvals:

BEAB and WBS approved.

UK manufactured in a BS EN ISO9002 registered factory.

Capacities:

Model Ref. Litres kW @ 240V

AH7/2.2 7 2.2

AH10/2.2 10 2.2

AH15/2.2 15 2.2

Controls:

Thermostat

Rod type, adjustable 10°C- 70°C with integral, manually re-settable, over temperature cut-out.

Guarantee:

2 year product guarantee, from date of purchase, with on-site service support. Full details are contained within the installation instructions supplied with each unit.

Heat Unit:

Alloy sheathed element, incorporated into an easily removable heater plate, should replacement be necessary.

Outer Casing:

The main body is substantial gauge sheet steel, anti-corrosion treated, and finished in white stoved enamel. End covers are moulded in grey high impact polystyrene. The back has three fixing points for wall mounting.

Safety Features:

Safety Cut-Out

A manual reset cut-out (set at 85°C) is wired in series with the adjustable thermostat.

Expansion Relief Valve

This is supplied with the heater and MUST be fitted with every installation. It is set at 6 bar. A temperature and pressure relief valve can also be used (order ref. ALK06).

Thermal Insulation:

Approved CFC-free polyurethane foam.

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Thermostat Spec:

Adjustable rod type ranging 10-70°C.

Water Container:

Heavy gauge copper suitable for a maximum working pressure of 6 bar (pressure tested to 15 bar). A minimum supply pressure of 1 bar is recommended.

Installation Details:**Notes:**

Expansion/Pressure Kits

If the inlet water pressure is above 4.1 bar, it is essential that kit ALK04 is also installed with the heater.

This kit comprises expansion vessel, non-return valve and pressure reducer/strainer.

If the inlet pressure is guaranteed to be below 4.1 bar where full expansion back down the mains is not possible, kit ALK05 must be installed (comprises expansion vessel and non-return valve).

Connections:

Inlet and outlet are 15mm copper tails. A pressure relief valve is supplied with the unit and must be fitted to every installation. The relief valve discharge pipe must be connected to waste (drain) via a tundish. The drain pipe from the tundish must fall continuously and be 22mm diameter copper pipe. It must discharge in a visible and safe place. The pipe must not be reduced in bore or blocked under any circumstances and should be protected from frost. Under no circumstances must hot water or expanded water be allowed to contaminate the supply to a cold water draw off.

Electrical:

240V

Fixing:

Floor or wall mounted

Guarantee:

2 year product guarantee, from date of purchase, with on-site service support.

Full details are contained within the installation instructions supplied with each unit.

Minimum Water Supply Requirements:

A minimum supply pressure of 1 bar is recommended.

Optional Thermostatic Blending Valve:

ALK03 - Thermolock

Santon offers an in-line thermostatic blending valve called Thermolock that can be used with any Aquaheat water heater. It can be fitted in any position - vertical, horizontal or upside down and will failsafe in the event of a cold water supply failure (closing off the hot water supply).

Once the temperature has been set on the valve, it can be easily and securely locked in position.

Temperature Relief Valve:

Pressure and temperature relief valve (ALK06) should also be used in any installation where a pressure and temperature relief valve is required to provide enhanced levels of safety.

Water Expansion:

If the inlet water pressure is above 4.1 bar, it is essential that kit ALK04 is also installed with the heater.

This kit comprises expansion vessel, non-return valve and pressure reducer/strainer.

If the inlet pressure is guaranteed to be below 4.1 bar where full expansion back down the mains is not possible, kit ALK05 must be installed (comprises expansion vessel and non-return valve).

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